

L Bulow

List of Publications by Year in descending order

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40
papers

1,371
citations

331670

21
h-index

345221

36
g-index

40
all docs

40
docs citations

40
times ranked

1098
citing authors

#	ARTICLE	IF	CITATIONS
1	Multienzyme systems obtained by gene fusion. Trends in Biotechnology, 1991, 9, 226-231.	9.3	106
2	Transgenic tobacco expressing Vitreoscilla hemoglobin exhibits enhanced growth and altered metabolite production. Nature Biotechnology, 1997, 15, 244-247.	17.5	103
3	Construction of an artificial bifunctional enzyme, .beta.-galactosidase/galactose dehydrogenase, exhibiting efficient galactose channeling. Biochemistry, 1989, 28, 8786-8792.	2.5	85
4	Formation of proinsulin by immobilized Bacillus subtilis. Nature, 1983, 302, 543-545.	27.8	82
5	Metal affinity precipitation of proteins carrying genetically attached polyhistidine affinity tails. FEBS Journal, 1991, 198, 499-504.	0.2	81
6	Redesign of the coenzyme specificity in L-Lactate dehydrogenase from Bacillus stearothermophilus using site-directed mutagenesis and media engineering. Protein Engineering, Design and Selection, 1999, 12, 851-856.	2.1	80
7	Preparation and kinetic characterization of a fusion protein of yeast mitochondrial citrate synthase and malate dehydrogenase. Biochemistry, 1994, 33, 11692-11698.	2.5	76
8	Characterization of an artificial bifunctional enzyme, beta-galactosidase/galactokinase, prepared by gene fusion. FEBS Journal, 1987, 163, 443-448.	0.2	70
9	Enzyme purification by genetically attached polycysteine and polyphenylalanine affinity tails. Analytical Biochemistry, 1988, 172, 330-337.	2.4	51
10	Automated thermometric enzyme immunoassay of human proinsulin produced by Escherichia coli. Analytical Biochemistry, 1986, 158, 12-19.	2.4	47
11	The expression in E. coli of a polymeric gene coding for an esterase mimic catalyzing the hydrolysis of p-nitrophenyl esters. FEBS Letters, 1987, 210, 147-152.	2.8	41
12	Expression of Vitreoscilla Hemoglobin in Escherichia coli Enhances Ribosome and tRNA Levels: A Flow Field-Flow Fractionation Study. Biotechnology Progress, 1999, 15, 158-163.	2.6	37
13	Isolation of PCR DNA fragments using aqueous two-phase systems. Separation and Purification Technology, 2014, 122, 144-148.	7.9	36
14	Purification and site-specific immobilization of genetically engineered glucose dehydrogenase on thiopropyl-sepharose. FEBS Letters, 1990, 270, 41-44.	2.8	35
15	Engineering direct fructose production in processed potato tubers by expressing a bifunctional alpha-amylase/glucose isomerase gene complex. Biotechnology and Bioengineering, 2000, 70, 9-16.	3.3	35
16	Preparation of a genetically fused protein A/luciferase conjugate for use in bioluminescent immunoassays. Journal of Immunological Methods, 1991, 137, 199-207.	1.4	32
17	Use of genetically prepared enzyme conjugates in enzyme immunoassay. Trends in Biochemical Sciences, 1993, 18, 279-283.	7.5	28
18	The design of a simple competitive elisa using human proinsulin-alkaline phosphatase conjugates prepared by gene fusion. Biochemical and Biophysical Research Communications, 1987, 149, 607-614.	2.1	27

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19	Affinity precipitation and site-specific immobilization of proteins carrying polyhistidine tails. , 1996, 51, 221-228.		27
20	Use of flow field-flow fractionation for the rapid quantitation of ribosome and ribosomal subunits in <i>Escherichia coli</i> at different protein production conditions. , 1997, 54, 461-467.		27
21	The metabolic effects of native and transgenic hemoglobins on plants. <i>Trends in Biotechnology</i> , 1999, 17, 21-24.	9.3	26
22	Partitioning and Characterization of Tyrosine-Tagged Green Fluorescent Proteins in Aqueous Two-Phase Systems. <i>Biotechnology Progress</i> , 2004, 20, 793-798.	2.6	23
23	Physical and kinetic effects on introduction of various linker regions in β -galactosidase/galactose dehydrogenase fusion enzymes. <i>BBA - Proteins and Proteomics</i> , 1996, 1293, 154-160.	2.1	22
24	Metabolic studies on <i>Saccharomyces cerevisiae</i> containing fused citrate synthase/malate dehydrogenase. <i>Biochemistry</i> , 1994, 33, 11684-11691.	2.5	21
25	Kinetics of the coupled reaction catalysed by a fusion protein of yeast mitochondrial malate dehydrogenase and citrate synthase. <i>FEBS Journal</i> , 2000, 267, 5041-5046.	0.2	20
26	Characterization of a recombinant bifunctional enzyme, galactose dehydrogenase/bacterial luciferase, displaying an improved bioluminescence in a three-enzyme system. <i>FEBS Journal</i> , 1992, 204, 241-247.	0.2	19
27	Zinc ions bound to chimeric His4/lactate dehydrogenase facilitate decarboxylation of oxaloacetate. <i>Protein Engineering, Design and Selection</i> , 1993, 6, 907-911.	2.1	17
28	Application of a pH responsive multimodal hydrophobic interaction chromatography medium for the analysis of glycosylated proteins. <i>Journal of Chromatography A</i> , 2011, 1218, 678-683.	3.7	16
29	Preparation of Bifunctional Enzyme Complexes by Fusion of Two Genes. <i>Annals of the New York Academy of Sciences</i> , 1987, 501, 44-49.	3.8	15
30	Production and release of human proinsulin by recombinant <i>Escherichia coli</i> immobilized in agarose microbeads. <i>Enzyme and Microbial Technology</i> , 1988, 10, 601-605.	3.2	15
31	Construction and characterization of a recombinant tripartite enzyme, galactose dehydrogenase/ β -galactosidase/galactokinase. <i>FEBS Letters</i> , 1990, 275, 91-94.	2.8	13
32	Continuous Regeneration of NAD(H) Covalently Bound to a Cysteine Genetically Engineered into Glucose Dehydrogenase. <i>Nature Biotechnology</i> , 1991, 9, 280-284.	17.5	13
33	The oligopeptide (Gly-Pro) ₂ -Ala-(Gly-Pro) ₂ increases the internal proline level and improves NaCl tolerance when produced in <i>Escherichia coli</i> . <i>Gene</i> , 1991, 109, 125-129.	2.2	10
34	Nucleic acid and protein extraction from electropermeabilized <i>E. coli</i> cells on a microfluidic chip. <i>Analyst</i> , 2013, 138, 7347.	3.5	10
35	The β -Lys66Tyr Variant of Human Hemoglobin as a Component of a Blood Substitute. <i>Advances in Experimental Medicine and Biology</i> , 2016, 876, 455-460.	1.6	7
36	Preparative isolation of polymerase chain reaction products using mixed-mode chromatography. <i>Analytical Biochemistry</i> , 2015, 489, 73-75.	2.4	6

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37	Standard calibration proteins for Western blotting obtained by genetically prepared protein A conjugates. <i>Analytical Biochemistry</i> , 1991, 197, 187-190.	2.4	5
38	Structure of a cyclic peptide with a catalytic triad, determined by computer simulation and NMR spectroscopy. <i>Journal of Computer-Aided Molecular Design</i> , 1996, 10, 11-22.	2.9	5
39	[57] Production of proinsulin by entrapped bacteria with control of cell division by inhibitors of DNA synthesis. <i>Methods in Enzymology</i> , 1988, 137, 632-636.	1.0	2
40	[30] Automated TELISA procedure for process monitoring. <i>Methods in Enzymology</i> , 1988, 137, 334-338.	1.0	0